

<!--StartFragment-->RESULT 3

AAM49641

ID AAM49641 standard; protein; 836 AA.

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AC AAM49641;

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DT 15-JUN-2007 (revised)

DT 17-MAY-2002 (first entry)

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DE Human tumour-associated antigen B345 protein SEQ ID NO 4.

XX

KW Tumour-associated antigen; human; B345; cytostatic; cell communication;

KW cell interaction; signal transduction; metastasis; cancer; colon;

KW immunotherapy; carcinoma; lung; diagnosis; BOND_PC;

KW CUB domain containing protein 1, isoform CRA_a;

KW CUB domain containing protein 1, isoform CRA_a [Homo sapiens];

KW CUB domain containing protein 1;

KW CUB domain containing protein 1 [Homo sapiens]; GO5194; GO6942; GO7517;

KW GO8307; GO16020; GO16021.

XX

OS Homo sapiens.

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PN WO200204508-A1.

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PD 17-JAN-2002.

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PF 05-JUL-2001; 2001WO-EP007705.

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PR 07-JUL-2000; 2000DE-01033080.

PR 19-APR-2001; 2001DE-01019294.

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PA (BOEH) BOEHRINGER INGELHEIM INT GMBH.

XX

PI Schweifer N, Scherl-Mostageer M, Sommergruber W, Abseher R;

XX

DR WPI; 2002-171704/22.

DR N-PSDB; ABA99507.

DR PC:NCBI; gil4328879.

DR PC:SWISSPROT; Q9H5V8.

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PT New tumor-associated antigen B345, useful for diagnosis and immunotherapy

PT of tumors, also related nucleic acid and antibodies.

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PS Claim 1; Page 85-88; 102pp; German.

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CC This invention describes a novel tumour-associated antigen, designated

CC B345 which has cytostatic activity. B345 is involved in communication,

CC interaction and/or signal transduction with extracellular components and

CC ligands, especially in the metastatic potential of cancers, particularly

CC of the colon. B345 or its immunogenic fragments, also the DNA that

CC encodes it, are useful for immunotherapy of cancer, particularly

CC carcinoma of lung or colon. Antibodies raised against B345 are useful for

CC treatment and diagnosis of cancers that are associated with B345

CC expression, including their use for targeted delivery of cytotoxic or

CC radioactive agents. Probes derived from B345 can be used to detect tumour

CC -specific mutations in the B345 sequence, and can be used to screen for

CC B345 specific modulators. This sequence represents a human B345 tumour-

CC associated antigen described in the invention

CC

CC Revised record issued on 15-JUN-2007 : Enhanced with precomputed

CC information from BOND.

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SQ Sequence 836 AA;

Query Match 99.8%; Score 4387; DB 5; Length 836;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 835; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MAGLNCGVSIALLGVLLLGAARLPRGAEAFEIALPRESNITVLIKLGTPDLLAKPCYIVI	60
Db	1	MAGLNCGVSIALLGVLLLGAARLPRGAEAFEIALPRESNITVLIKLGTPDLLAKPCYIVI	60
Qy	61	SKRHITMLSIKSGERIVFTFSCQSPENHFVIEIQKNIDCMMSGPCPFGEVQLQPSTSLIPT	120
Db	61	SKRHITMLSIKSGERIVFTFSCQSPENHFVIEIQKNIDCMMSGPCPFGEVQLQPSTSLIPT	120
Qy	121	LNRTFIWDVKAHKSIGLELQFSIPRLRQIGPGESCPDGVTHSISGRIDATVVRIGTFCSN	180
Db	121	LNRTFIWDVKAHKSIGLELQFSIPRLRQIGPGESCPDGVTHSISGRIDATVVRIGTFCSN	180
Qy	181	GTVSRIKMQEGVKMALHLPWFHPRNVSGFSIANRSSIKRLCIIESVFEGEGSATLMSANY	240
Db	181	GTVSRIKMQEGVKMALHLPWFHPRNVSGFSIANRSSIKRLCIIESVFEGEGSATLMSANY	240
Qy	241	PEGFPEDELMTWQFVVPAPHLRASVSFLNFNLSNCERKEERVEYYIPGSTTNPEVFKLEDK	300
Db	241	PEGFPEDELMTWQFVVPAPHLRASVSFLNFNLSNCERKEERVEYYIPGSTTNPEVFKLEDK	300
Qy	301	QPGNMAGNFNLSLQGCDQDAQSPGILRLQFQVLVQHPQNESNKIYVVDLSNERAMSLTIE	360
Db	301	QPGNMAGNFNLSLQGCDQDAQSPGILRLQFQVLVQHPQNESNKIYVVDLSNERAMSLTIE	360
Qy	361	PRPVKQSRKFVPGCFVCLESRTCSSNLTLSGSKHKISFLCDDLTRLWMNVEKTISCTDH	420
Db	361	PRPVKQSRKFVPGCFVCLESRTCSSNLTLSGSKHKISFLCDDLTRLWMNVEKTISCTDH	420
Qy	421	RYCQRKSYSLSQVPSDILHLPVELHDFSWKLLVPKDRLSLVLVPAQKLQQTKEKPCNTSF	480
Db	421	RYCQRKSYSLSQVPSDILHLPVELHDFSWKLLVPKDRLSLVLVPAQKLQQTKEKPCNTSF	480
Qy	481	SYLVASAIPSQDLYFGSFCPGGSIKQIQVKQNISVTLRTFAPSFQQEASRQGLTVSFIPY	540
Db	481	SYLVASAIPSQDLYFGSFCPGGSIKQIQVKQNISVTLRTFAPSFQQEASRQGLTVSFIPY	540
Qy	541	FKEEGVFTVTPDTKSKVYLRTPNWDRGLPSLTSVSWNISVPRDQVACLTFKERSGVVCQ	600
Db	541	FKEEGVFTVTPDTKSKVYLRTPNWDRGLPSLTSVSWNISVPRDQVACLTFKERSGVVCQ	600
Qy	601	TGRAFMIIQEQRTRAEEIFSLDEDVLPKPSFHHHSFVWNISNCSPTSGKQLDLLFSVTLT	660
Db	601	TGRAFMIIQEQRTRAEEIFSLDEDVLPKPSFHHHSFVWNISNCSPTSGKQLDLLFSVTLT	660
Qy	661	PRTVDLTVILIAAVGGGVLLLSALGLIICCVKKKKKKTNGKPAVGIYNDNINTEMPRQPK	720
Db	661	PRTVDLTVILIAAVGGGVLLLSALGLIICCVKKKKKKTNGKPAVGIYNGNINTEMPRQPK	720
Qy	721	KFQKGRKDNDSHVYAVIEDTMVYGHLQDSSGSFLQPEVDTYRPFQGTMGVCPSPPTIC	780
Db	721	KFQKGRKDNDSHVYAVIEDTMVYGHLQDSSGSFLQPEVDTYRPFQGTMGVCPSPPTIC	780
Qy	781	SRAPTAKLATEEPPPRSPPESESEPYTFSHPNNGDVSSKDTDIPLLNTQEPMEPAE	836

Db 781 SRAPTAKLATEEPPPRSPPESESEPYTFSHPNNGDVSSKDTDIPLLNTQEPMEPAE 836
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